Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/01/2022 09:21 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/07/2022 10:19 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	10398	Expiration Date:	01/31/2023
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124263	-1	1.84	124129	1.85
Blue	F	SSC	125000	124564	-1	3.50	125136	3.50
Blue	E	FITC	15860	15412	-3	2.59	374	14.26
Blue	D	PE	27718	27282	-2	2.00	634	10.78
Blue	B	PerCP-Cy5-5	38046	37370	-2	3.25	1023	15.66
Blue	A	PE-Cy7	26092	25950	-1	5.16	508	31.50
Red	C	APC	49104	48601	-2	2.67	1710	11.48
Red	A	APC-Cy7	28201	27612	-3	3.18	730	12.58
Violet	B	V450	9904	9475	-5	3.74	531	11.68
Violet	A	V500	39004	37383	-5	3.40	976	8.95

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23684	2.27	569	0	N/A	N/A	Pass
Blue	F	SSC	55694	2.01	524	-4	N/A	N/A	Pass
Blue	E	FITC	57	55.60	494	3	0.0416	64	Pass
Blue	D	PE	125	39.20	500	4	0.3769	308	Pass
Blue	B	PerCP-Cy5-5	139	45.85	593	4	0.0175	44	Pass
Blue	A	PE-Cy7	64	95.55	636	4	0.0204	2	Pass
Red	C	APC	330	26.71	579	-2	0.0274	157	Pass
Red	A	APC-Cy7	97	42.62	551	-4	0.0058	957	Pass
Violet	B	V450	85	50.02	463	5	0.0566	2246	Pass
Violet	A	V500	122	35.18	474	5	0.0259	1734	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/01/2022 09:21 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/07/2022 10:19 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-32.00	-31.59	1.03
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.44
Red	15.73	13.90 - 20.86	N/A	N/A	29.80	30.24	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 12642

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments